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3. Generator's Name and Mailing Address Alaskan Copper Works 1.0. Box 3346, Seattle, WA 98124 4. Generator's Phone () 5. Fransporter 1 Company Name	UNIFORM HAZARDOUS	1. Generator's US EPA ID	Docu	ment No.	2. Pag	ge 1 Inform	ation in	the shaded areas
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15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WORI (Emergency call pager # 206-648-8423) Wear gloves & goggles Po.# 7/437	24 Hour Emergency Response (Emergency call pager # 20	: 1-800-424-9300 6-648-8423)	Wear gloves	& gog	gles	P.O. 4		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the prese future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and	proper shipping name and are classified, packed, according to applicable international and national If I am a large quantity generator, I certify that economically practicable and that I have selectuture threat to human health and the environments.	marked, and labeled, and are in government regulations. I have a program in place to ed the practicable method of the lent; OR, if I am a small quant	all respects in proper co reduce the volume and treatment, storage, or o	indition for tradition for tradition for the tradition of tradition of the tradition of the tradition of the tradition of tradition of the tradition of tradition of the tradition of the tradition of the tradition of tradition of the tradition o	ansport by waste gene ently avail	highway erated to the deg able to me whic	h minimi:	zes the present and
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17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Month Day			Signature					Month Day Year

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Signature

Style CF 17 LAREI MASTER ® (800) 621-5808 www.labelmaster.com

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

GENERATOR COPY

Month Day

Printed/Typed Name

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	3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, I	A. State Manifest Document Number						
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MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME: Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN **EMERGENCY** RESPONSE

TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- Some may burn, but none ignite readily.
- Some may polymerize (P) explosively when heated or involved in a fire.
- 3. Containers may explode when neated
- 4. Some may be transported hot.

HEALTH

- 1.Inhalation of material may be harmful.
- Contact may cause burns to skin and eyes.
- 3.Innalation of Aspestos dust may have a damaging effect on the lungs
- 4. Fire may produce irritating, corrosive and/or toxic gases.
- 5. Runoff from fire control may cause pollution.

PUBLIC SAFETY

- 1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WORR")
- 2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions
- Keep unauthorized personnel away
- 4. Stay upwind.

PROTECTIVE CLOTHING

- 1. Wear positive pressure self-contained breathing apparatus (SCBA).
- 2. Structural firefighters' protective clotning will only provide limited protection.

EVACUATION

Fire

1.If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

FIRE

EMERGENCY RESPONSE

Small Fires

1. Dry chemical, CO2, water spray or regular foam.

Large Fires:

- Water spray, fog or regular foam
- 2. Move containers from fire area if you can do it without risk
- 3.Do not scatter spilled material with high pressure water streams.
- 4. Dike fire-control water for later disposal

Fire Involving Tanks:

- .Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- 3.ALWAYS stay away from the ends of tanks

SPILL OR LEAK

- 1.Do not touch or walk through spilled material
- 2.Stop leak if you can do it without risk. 3.Prevent dust cloud.
- Avoid inhalation of asbestos dust

Small Dry Spills

With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Spills

- 1. Take up with sand or other noncompustible absorpent material and place into containers for later disposal. Large Spills
- 1. Dike far ahead of liquid spill for later disposal
- Cover powder spill with plastic speet or tarb to minimize spreading.
- 3.Prevent entry into waterways, sewers, pasements or confined areas

FIRST AID

- 1. Move victim to fresh air.
- 2.Call emergency medical care
- 3. Apply artificial respiration if victim is not breathing
- 4. Administer oxygen if breathing is difficult.
- 5. Remove and isolate contaminated clothing and snoes.
- 6. In case of contact with substance immediately flush skin or eyes with running water for at least 20 minutes.
- 7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves,

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Recycled Paper 02/09/2000

Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Tolleson, Arizona 85353-4025 Tel.: 602/233-9166 Fax: 623/936-9164 January 2002 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded).

For emergencies during shipping in the US or Canada, day or night, call: CHEMTREC 800/424-9300.

(Use CHEMTREC Company Code "WORR".) For calls from other countries, call COLLECT: 703/527-3887

Section 1

EPA Waste Classification: F006

Generic Name: Electroplating/Metal-Finishing Waste-

water Treatment Sludge

Chemical Family: Metailic (Hydroxide) Participates Synonym: Nonferrous Metal Hydroxide Filter Cake

Material Identification DOT Shipping Name: RQ, Hazardous waste solid, n.o.s., (F006)

DOT Hazard Class: 9; Packing Group: III.

DOT Identification Number: NA 3077

Guide 171 of The North American Emergency Response Guidebook applies.

Section 2				Hazardous Ingredients
Ingredient: Copper Hydroxide Nickel Hydroxide Calcium Hydroxide Diatomite Aluminum Hydroxide	CAS Number: 20427-59-2 12054-48-7 1305-62-0 61790-53-2 21645-51-2	Content%: 0-30 0-15 0-15 0-10 0-10	ACGIH-TLV: 1.0 mg(Cu)/m³ (du: 1.0 mg(Ni)/m³ (du: 5.0 mg(Ca)/m³ (du: 10.0 mg/m³ (du: 2.0 mg(Al)/m³ (du:	Toxicology (rat, oral): st) LD-50 1,000 mg/kg st) LD-50 1,500 mg/kg st) LD-50 7,340 mg/kg st) LD-50 not determined

Section 3

Description: solid, clay-like, gray/green to brown, water content 30-80% Specific Gravity: 2.5 to 3.5

Solubility: insoluble in water. Incompatible Reactivity: none known.

Vapor Pressure: insignificant. Stability: avoid contact with acids. Polymerization: will not occur. Density: 50-90 lbs./cu ft.

Physical and Reactivity Data

Fire Diamond

Boiling Point: above 2600°C Melting Point: above 1800°C pH: 7.0 to 10.0

Odor: nil.

Section 4

Flashpoint: nonflammable. Special Firefighting Procedures: none.

Product Decomposition (due to fire or explosion): none.

Oxidation: non-oxidizing.

Explosion Potential: non-explosive.

Fire and Explosion Data **NFPA**

0

Section 5

Listed Carcinogenic Components: nickel

Toxicology: see Section 2.

Route of Entry: inhalation and ingestion.

Section 6

Health Effects and First Aid inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Indestion: Rare. Induce vomiting and call a physician—but never induce vomiting or give a liquid to an unconscious person. Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term: Long-term chronic over-exposure may affect the following target organs or body systems: blood; digestive; respiratory; lungs; liver;

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage,

mental-sensitive skin, or skin lesions.

Other Protective Equipment: coveralls are recommended but not required.

Section 7 Handling:

Precautions for Safe Handling Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be

used by personnel who will come in contact with the material. The PPE should include eye protection, respirator and gloves.

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled, to avoid Storage:

inhalation or ingestion. Store in a dry area under cover to protect from rain or snow. Spills:

Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to World Resources Company at the address shown above.

Section 8

Respiratory Protection: NIOSH-MSHA approved respirators as required.

Control Measures Eye Protection: safety glasses are recommended. Hand Protection: gloves are recommended.

Section 9

Generator's Verification

This MSDS describes the recyclable material listed in the attached Manifest Number:

03*00*3

Date

Alaskan Copper Works

P.O. Box 3546, Seattle, WA 98124

★Company Name and Address★

206-382-8379

Telephone



SIGNATURE:

NAME PRINTED:

WORLD RESOURCES COMPANY

EPA Material

In partnership with the environment

LAND DISPOSAL RESTRICTION NOTICE





ISO 9001 & ISO 1400! Certified Recycling Facility



A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, the Generator should check the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well-requires the retention period to be extended further in specified cases.

To:	: WORLD RESOURCES COMPANY 8113 West Sherman Street, Tolleson AZ 85353-4025						
From:	COMPANY NAME: Alaskan Copper Works	COMPANY ADDRESS: P.O. Box 3546, Seattle, WA 98124					
	NIFEST 03003	DATE OF SHIPMENT:	8-5-03				
The	This shipment of material is sub applicable land disposal restriction is						

Treatability

Number Grou		Group	Tre	atment Standards	
F006		non-wastewater	4	0 CFR §268.40	
In	Nice		TITLE:	Enviro, tech.	V-21 FW
E RA	ren Thomas	5/14	DATE:	8-5-07	

CFR Reference for

Instructions for Completion of this Land Disposal Restriction Notice (LDRN)

This LDRN has been prepared based on a listed material--F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN includes the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does not include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then no additional entry is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) must be added to the LDR Notice.

	E INFORMATION CHARACTERISTIC	APPROPRIATE ENTRY ON LDR NOTICE				
Metaí	Concentration Level	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards		
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40		
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40		
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40		
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40		

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FOOG GENERATORS